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NOTICE OF ALLOWANCE AND FEE(S) DUE

2202

7590

08/06/2010

BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747 EXAMINER
PERRY, ANTHONY T
ART UNIT PAPER NUMBER

2879 DATE MAILED: 08/06/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/594,737	07/09/2007	Atsuo Ishizuka	1982-0316PUS1	5298

TITLE OF INVENTION: DISPLAY APPARATUS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/08/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
PO BOX 747	7590 08/06 ART KOLASCH CH, VA 22040-0747	& BIRCH	I S a t	hereb States address ransm	Certific by certify that this Fe Postal Service with sed to the Mail Sto itted to the USPTO (ate of Mailing or Transn be(s) Transmittal is being sufficient postage for first p ISSUE FEE address a 571) 273-2885, on the da	nission deposited with the United class mail in an envelope above, or being facsimile te indicated below.
							(Depositor's name)
							(Signature)
			L				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR	AT	FORNEY DOCKET NO.	CONFIRMATION NO.
10/594,737 TITLE OF INVENTION	07/09/2007 : DISPLAY APPARATU	US	Atsuo Ishizuka			1982-0316PUS1	5298
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nonprovisional	NO	\$1510	\$300		\$0	\$1810	11/08/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS	\neg			
PERRY, AN	NTHONY T	2879	313-506000	_			
"Fee Address" ind. PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Unl recordation as set fort	ondence address (or Cha 3/122) attached. ication (or "Fee Address')2 or more recent) attach ND RESIDENCE DAT/ less an assignee is identih in 37 CFR 3.11. Comp	nge of Correspondence I Indication form and Use of a Customer	or agents OR, altern (2) the name of a si registered attorney of 2 registered patent a listed, no name will ITHE PATENT (print or data will appear on the T a substitute for filing	o to 3 nativel ingle f or age attorne be pri type) e pate an ass	registered patent att y, irm (having as a ment) and the names or agents. If no n inted. ent. If an assignee is signment.	mber a 2	cument has been filed for
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	s SMALL ENTITY statu	is. See 37 CFR 1.27.				NTITY status. See 37 CF	
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Authorized Signature					Date		
Typed or printed name			Registration No.				
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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10/594,737	07/09/2007	Atsuo Ishizuka	1982-0316PUS1	5298
2292 75	90 08/06/2010	EXAMINER		
BIRCH STEWA	RT KOLASCH & BI	PERRY, AN	THONY T	
PO BOX 747			ART UNIT	PAPER NUMBER
FALLS CHURCH, VA 22040-0747			2879	
		DATE MAILED: 08/06/2010		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 172 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 172 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
Netter of Aller ability	10/594,737	ISHIZUKA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	ANTHONY T. PERRY	2879	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in to or other appropriate communication. This application is su	his application. If not included ication will be mailed in due course. THIS	
1. This communication is responsive to the amendment filed	<u>on 5/20/10</u> .		
2. X The allowed claim(s) is/are <u>1,2,5-11 and 13-15</u> .			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	been received.		
3. Copies of the certified copies of the priority do	cuments have been received	in this national stage application from the	
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application.		
INFORMAL PATENT APPLICATION (PTO-152) which give	es reason(s) why the oath or o	leclaration is deficient.	
5. CORRECTED DRAWINGS (as "replacement sheets") mus			
(a) including changes required by the Notice of Draftspers	-	(PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1			
each sheet. Replacement sheet(s) should be labeled as such in t			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			
Attachment(s)	E Nation of the	rmal Detart Application	
1. Notice of References Cited (PTO-892)		rmal Patent Application	
 Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO/SB/08), 		nmary (PTO-413), ail Date mendment/Comment	
Paper No./Mail Date4. Examiner's Comment Regarding Requirement for Deposit		tatement of Reasons for Allowance	
of Biological Material	9.		

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Claim 17 has been canceled.

Allowable Subject Matter

Claims 1, 2, 5-11, and 13-15 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art of record fails to disclose or fairly suggest:

• A display apparatus, comprising: a display region where the plurality of first electrode patterns extend in parallel with one another at a first spacing; a terminal region where one ends of the plurality of first electrode patterns in the display region are arranged at a second spacing which is smaller than the first spacing; and a connection region where the plurality of first electrode patterns in the display region are respectively connected to the corresponding one ends in the terminal region, wherein each of the plurality of first electrode patterns has a lamination structure which has a first conductor having a first sheet resistivity, and a second conductor having a second sheet resistivity lower than the first sheet resistivity, in the connection region, each of the plurality of first electrode patterns

Art Unit: 2879

is provided with a higher resistance region where the second conductor is removed, the length of the higher resistance region is changed according to the length of the electrode pattern for each of the plurality of first electrode patterns, a portion of each of the plurality of first electrode patterns corresponding to the connection region is constituted by a segment A which extends slantwise with respect to the first direction in the display region and a segment B which extends in the first direction to the terminal region, the segment B is divided into a segment B1 that extends consecutively from the segment A, and a segment B2 which is the higher resistance region in each of the plurality of first electrode patterns, the second conductor is removed in a plurality of spaced apart places at a portion corresponding to the segment B1 in combination with the remaining claimed limitations as called for in claim 1 (claims 2, 5-11, and 13-15 are allowed for the same reasons since they are dependent from claim 1).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Anthony Perry* whose telephone number is **(571) 272-2459**. The examiner can normally be reached between the hours of 9:00AM to 5:30PM Monday thru Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nimesh Patel, can be reached on (571) 272-2457. The fax phone number for this

Group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Anthony Perry/

Anthony Perry Patent Examiner

Art Unit 2879

/NIMESHKUMAR D. PATEL/

Supervisory Patent Examiner, Art Unit 2879